

From: [Crossland, Ronnie](#)
To: [Webster, Susan](#); [Smalley, Bryant](#); [Foster, Althea](#); [Carroll, Craig](#); [Smith, Monica](#); [Martin, John](#)
Subject: FW: **CONFIDENTIAL - OFFICIAL USE ONLY** TCEQ Hurricane Harvey Update - #12 (September 3, 2017)
Date: Sunday, September 3, 2017 8:12:45 PM
Attachments: [BWN 932017_formatted.xlsx](#)
[PDW Inop 932017_formatted.xlsx](#)
[WW Inop 932017_formatted.xlsx](#)
[Hurricane Harvey ESF-10 Texas Situation Report 4 for 09-02-17.pdf](#)

From: Kelly Cook [mailto:kelly.cook@tceq.texas.gov]

Sent: Sunday, September 03, 2017 8:47 PM

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Subject: **CONFIDENTIAL - OFFICIAL USE ONLY** TCEQ Hurricane Harvey Update - #12 (September 3, 2017)

Status of State-level Activities:

TCEQ is conducting agency internal conference calls which will occur daily (including weekends) at 1:30 pm. Dial the Access Number: (b) (6) Enter Participants Pass code: (b) (6)

- The TCEQ continues to be activated for duty at the SOC 24/7.
- The TCEQ has approximately 468 staff involved in the Hurricane Harvey response.

Status of TCEQ Activities:

- There will be an additional upcoming SOC Debris Management Call immediately following the Recovery Coordination Call on 9/5. Yessenia Jaramillo, OCE Region 11, and Steve Odil, OOW Waste Permits, are TCEQ's designated representatives to the TDEM/SOC Debris Management group.
- Please send ALL SSOs to Catherine Grutsch <catherine.grutsch@tceq.texas.gov> and cc Nancy Vignali <nancy.vignali@tceq.texas.gov> for tracking.

TCEQ Unified Command for Field Response Activities **(Since the NDOW field teams are returning to the staging area later in the afternoon, the daily SitRep for activities will be sent out each morning in a separate supplemental update.**

- The NDOW Area Command/Alpha Branch (TCEQ/EPA/GLO/USCG/TPWD), in Corpus Christi continued field operations, sending out 1 Water Infrastructure Evaluation Team, 1 HazMat Evaluation Team and 2 HazMat Recovery Teams.
- The NDOW Bravo Branch (TCEQ/EPA/GLO/USCG/TPWD), in Houston continued field operations, sending out 1 Air Recon Team, 8 Water Infrastructure Evaluation Teams, 8 HazMat Evaluation Teams and 2 HazMat Recovery Teams and 5 Discharge Assessment Teams.

Office of Compliance and Enforcement

Critical Infrastructure Division-

- The larger dams are full in many cases and may be releasing water; the structures are secure at this time. There are 340 high- and significant-hazard dams in the impacted areas, and TCEQ has been able to make contact with 200 of these dam owners. Of these 200, only five dams have been damaged or have failed. We have also been notified that three low-hazard

dams have damage. TCEQ is continuing to contact dams to get status updates.

Region 4 (DFW) –

- DFW Region is currently reviewing 12 new debris site requests for the Houston Region.

Region 9 & 11 (Waco & Austin) –

- Four (4) Region 9 and 11 staff (two per region) departed this morning at 10:00 am for the City of Houston deployment.
- Three (3) additional R11 staff have been requested to deploy in Beaumont Monday.
- Staff continue to respond to questions and requests for assistance covering all media ranging from air emission events (flaring), BWN's, SSO's and debris management from multiple impacted areas.
- R11 Staff is participating in the TDEM Debris Management Group - next call is September 5, 2017 at 1:00 pm.

Region 10 (Beaumont) –

- Four teams are conducting surveys today in the industrial areas in Beaumont, Port Arthur and Orange. In addition, another group is working to bring CAMS stations back online.
- The region continues to contact community water systems and entering the status of the systems in Response Manager.
- Industrial facilities are being contacted by the region to determine operational status and possible timeframe for resuming operations.
- A Unified Command Charlie Branch planning meeting will occur **midweek** at the US Coast Guard MSU Port Arthur office. USEPA, USCG, TCEQ, and TGLO will collaborate. Sarah Kirksey will attend for TCEQ.
- City of Beaumont drinking water system is slowly coming back on line. The office has low pressure water. Portalets and water were delivered to the office last night.

Region 12 (Houston) –

- The waters continue to recede in the area, several rivers (e.g., Brazos) remains elevated. The recent flooding has impacted staff availability to some extent in the regional office.
- The regional office plans to retrieve the remaining remotely staged vehicles when roadways are accessible.
- The DRST staff continued to conduct damage assessment as part of the MER Branch at the USCG Houston Sector location. Additional needs assessment teams have been dispatched to USGS command (MER Branch) as of Sunday, (9/3/17). The additional teams are addressing the developing target list of Water Infrastructure sites and will operate in conjunction with TCEQ Unified Command Houston Branch.
- The regional response staff remain actively engaged in monitoring the Arkema situation. The local responders/command post participants are actively monitoring the site. Arkema personnel have been fully engaged in the incident command and have been fully engaged in providing information needed to monitor the situation. A regional ERC remains deployed to the command post and will be present 24/7. During this period the additional 6 trailers were

burned by way of a controlled ignition.

Region 14 (Corpus) –

- Region 14 Office is open today.
- Region 14 staff continue with debris site inspections and approvals.
- Region 14 staff continue to call drinking water and wastewater systems in Region 14.
- Two (2) Region 14 staff are providing support at Area Command.
- Region 14 staff are providing as needed support at the DDC Victoria.
- One (1) Region 14 staff is assisting with the onsite technical assistance being provided to the City of Victoria to optimize the water treatment plant.

Monitoring Division-

Here is the list of operating stations in Corpus Christi, Beaumont and Houston, 34 of 48 (71%) as of today.

After receiving all notes from the field staff, we've removed the sites from the list that were already down for other reasons prior to the storm (relocation, etc.):

Houston - 22 of 26 (85%):

Baytown Garth: ozone, SO₂

Cesar Chavez: AutoGC

Channelview: AutoGC, NO_x, NO, NO₂, ozone

Clute: VOC canister

Conroe Relocated: NO_x, NO, NO₂, ozone, PM_{2.5}

Freeport South Avenue I: SO₂

Galena Park: AutoGC, VOC canister

Galveston 99th Street: NO_x, NO, NO₂, ozone

Houston Aldine: NO_x, NO, NO_y, ozone, PM_{2.5}

Houston Bayland Park: ozone, VOC canister

Houston East: NO_x

Houston North Loop: NO_x, NO, NO₂, CO

Houston Southwest Freeway: NO_x, NO, NO₂

Jacinto Port: VOC canister

Manchester / Central: VOC canister

Manvel Croix Park: NO_x, NO, NO₂, ozone

Northwest Harris County: NO_x, NO, NO₂, ozone

Seabrook Friendship Park: NO_x, NO, NO₂, PM_{2.5}

Shore Acres: VOC canister

Texas City Ball Park: SO₂, H₂S, VOC canister

Clinton: AutoGC

Houston Deer Park #2: AutoGC, VOC canister, NO_x, NO, NO₂, NO_y, ozone, CO, SO₂

Beaumont - 5 of 14 (36%):

Beaumont Downtown: VOC canister, NO_x, NO, NO₂, ozone, SO₂

West Orange: NO_x, NO, NO₂, ozone

Nederland High School: NO_x, NO, NO₂, ozone, CO

Beaumont Mary: VOC canister, H₂S

Port Arthur 7th Street: SO2

Corpus Christi - 7 of 8 (88%):

Corpus Christi West: ozone, SO2

Corpus Christi Tuloso: ozone

Corpus Christi Palm: AutoGC

Corpus Christi Huisache: VOC canister, H2S

Corpus Christi Hillcrest: VOC canister

Williams Park: TNMOC, VOC canister

Victoria: ozone

Office of Water Activities **(Inoperable PWS and WW Spreadsheet; BWN Spreadsheet, attached above)**

Water Quality Division-

- EPA assisting with remaining calls in Houston & Beaumont.
- Responding to Direct Calls.
- Calling callbacks and follow-ups.
- Running queries for facilities contacted in Response Manager.
- Running reports.
- Inoperable Wastewater Facility Tracking: **(These numbers are derived from the Response Manager database which includes both OW and OCE Regional input)**
 - 34 Inoperable Wastewater Facilities are being Tracked.

Water Supply Division-

- WSD continues to work with EPA to contact systems for their status.
- Calls are continuing for counties within Region 12 today and we are about half way through. We have completed 554 of the 1064 water systems in Harris, Chambers, Fort Bend, Galveston, and Liberty.
- Inoperable PWS Facility Tracking: **(These numbers are derived from the Response Manager database which includes both OW and OCE Regional input)**
 - 47 Inoperable PWS Facilities are being Tracked.
- Boil Water Notice Tracking:
 - 171 active boil water notices.
 - 107 boil water notices rescinded.

City of Beaumont

On September 3, 2017, the TCEQ Water Supply Division received the following status update for the City of Beaumont Water Treatment Facilities from Barry Miller, Water Treatment Manager:

The groundwater plant remains off-line due to flooding conditions. The surface water treatment plant (SWP) is producing 18-20 MGD as of 9:00 am this morning. Water is being sent to most sections of distribution at this time, but pressure is erratic due to leaks. Operators are slowly opening main distribution lines and determining where pressure is being lost so repairs can be

made. This will be a slow, methodical process to bring the entire system up to desired pressure.

The raw water pumps are out, and estimated to remain out of service for several weeks. Crews are currently on-site laying additional pipe and installing additional pumps to bring raw water directly from the Neches River into the SWTP. The estimated demand will be above 20 MGD. It is estimated that the full capacity will take longer to determine due to leaks in distribution and problems with increasing the raw water supply. The elevated storage tanks are at about 20%. The demand in the distribution system cannot be met by the elevated storage tanks, so it is being supplied by direct pressure from the high service pumps. Increasing the raw water supply to the plant is the main concern with producing finished water. The City of Beaumont is on a boil water notice.

Additional current status:

- Plant is off-grid with power
- Plant has 3 generators operational with 5-day supply of diesel fuel
- 4-day supply of Alum (coagulant)
- 4-day supply of caustic (pH adjustment)
- 4-day supply of chlorine
- 1 month supply of Polymer

Chemical and fuel deliveries are expected today or tomorrow.

Water Supply Division staff have offered technical assistance to the City to help get the treatment plant online.

City of Victoria

The treatment plant continues to improve. WSD and city Staff are flushing and looking for distribution system issues. It may be 2-3 days before all the water is flushed through the system, turbidity is back to compliant levels and the BWN can be lifted. Staff continue to take samples and collect data. A back up pump for a coagulant feed line has been requested through CID.

TCEQ Hurricane/Flood Related Regulatory Guidance:

- TCEQ has a vast amount regulatory guidance posted under the Hurricane Harvey Response link on our main web page. Also included is the most current information on approved and pending fuel waivers. <https://www.tceq.texas.gov/>